

PRICE AND GESS

ATTORNEYS AT LAW

JOSEPH W. PRICE
ALBIN H. GESS
MICHAEL J. MOFFATT
GORDON E. GRAY III
BRADLEY D. BLANCHE
J. RONALD RICHEBOURG

2100 S.E. MAIN STREET, SUITE 250
IRVINE, CALIFORNIA 92614-6238

A PROFESSIONAL CORPORATION
TELEPHONE: (949) 261-8433
FACSIMILE: (949) 261-9072
FACSIMILE: (949) 261-1726

OF COUNSEL
JAMES F. KIRK

e-mail: jwp@pgpatentlaw.com

DRAWINGS – THIRTY-ONE (31) SHEETS

Applicant(s): Kazuhiko Yamauchi et al.
 Title: OPTICAL DISC STORING BOTH VIDEO TITLES
PROVIDED WITH AV FUNCTIONS ...
 Attorney's
Docket No.: NAK1-AZ37a

"EXPRESS MAIL" MAILING

LABEL NO. EL 852659529 US

DATE OF DEPOSIT: August 20, 2001

FIG. 1

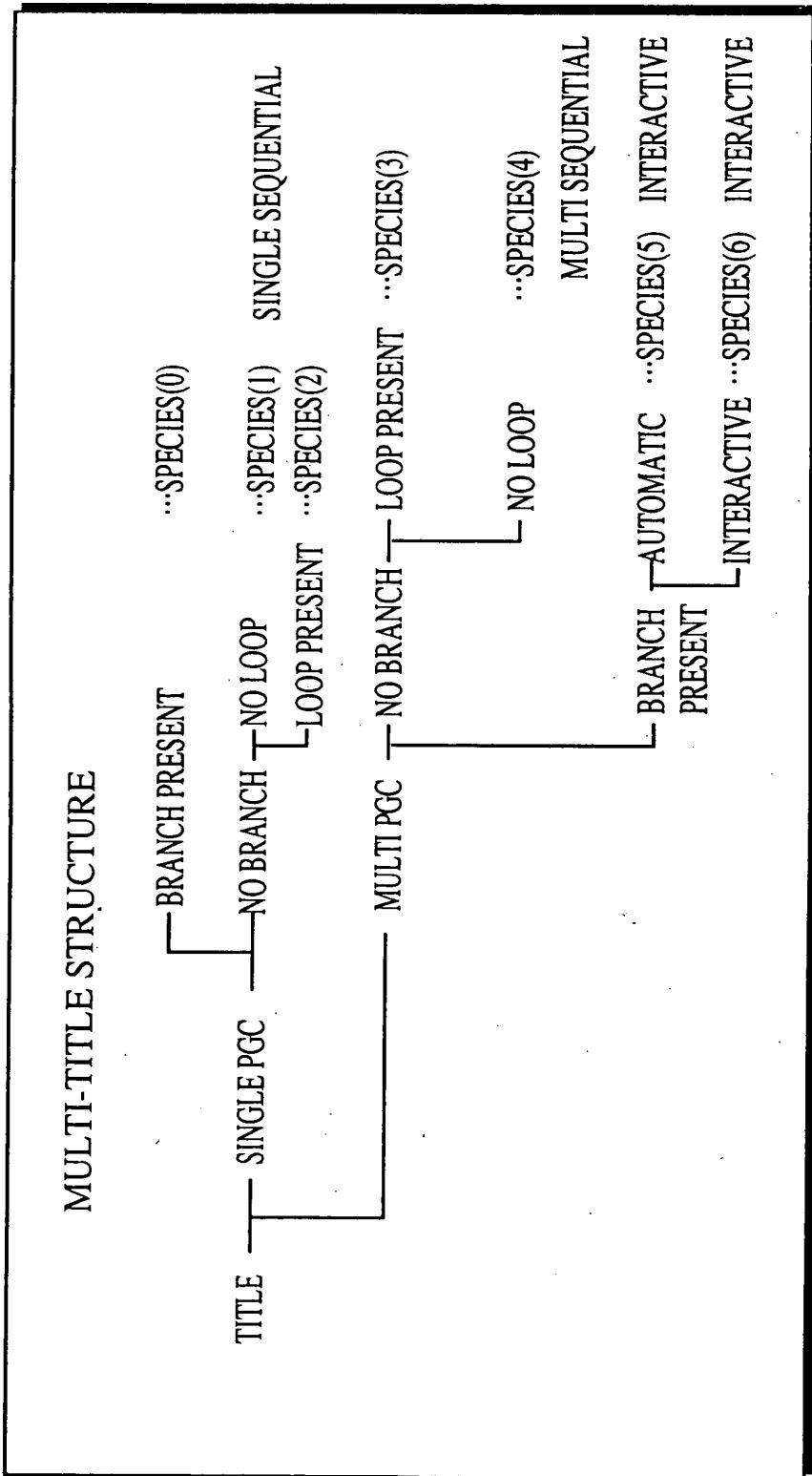


FIG. 2A

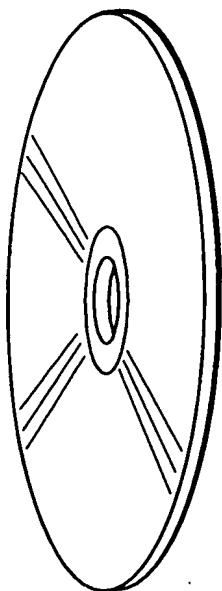


FIG. 2B

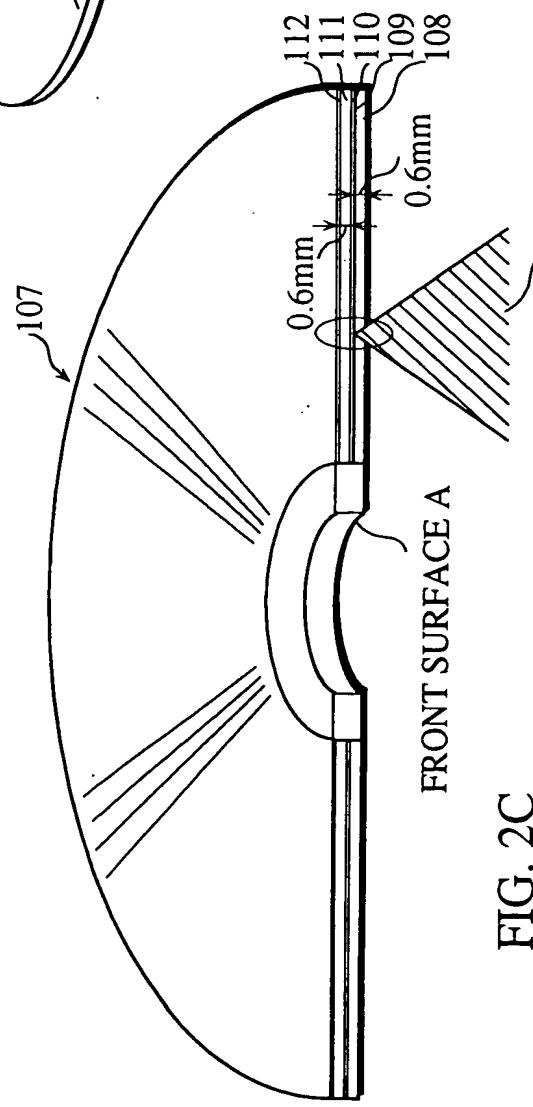
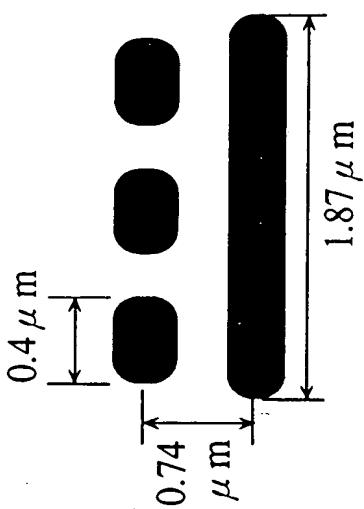


FIG. 2D



113 LASER BEAM
114 LIGHT SPOT
REAR SURFACE B
112 PRINT LAYER
111 SECOND TRANSPARENT SUBSTRATE
110 BONDING LAYER
109 INFORMATION LAYER
108 FIRST TRANSPARENT SUBSTRATE

FRONT SURFACE A

FIG. 3A

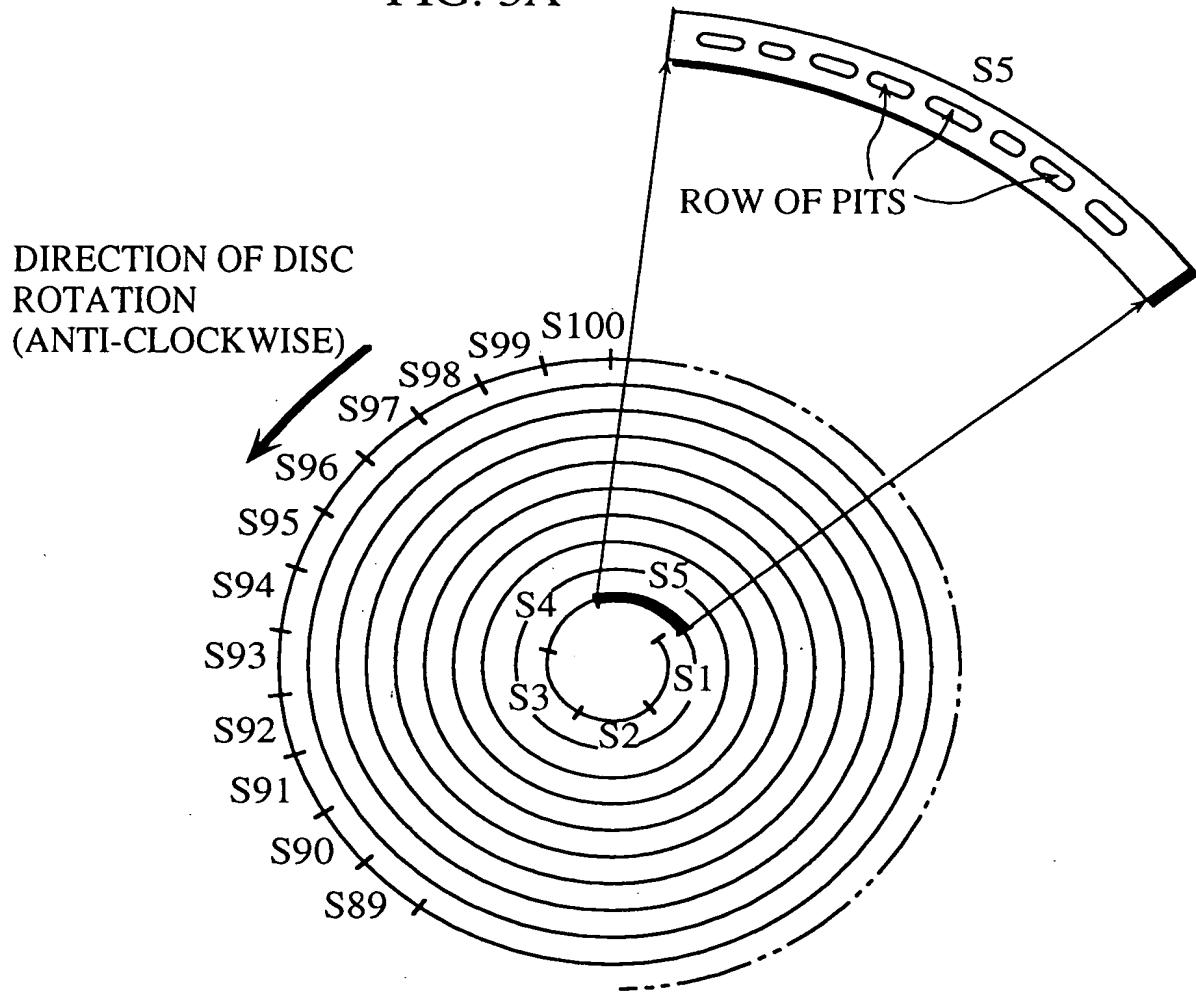


FIG. 3B

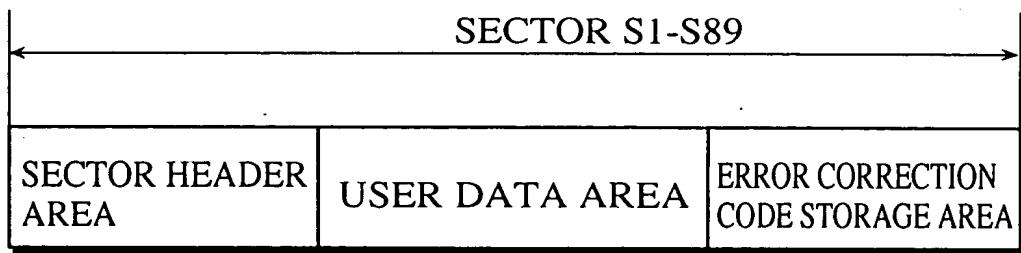


FIG. 4A

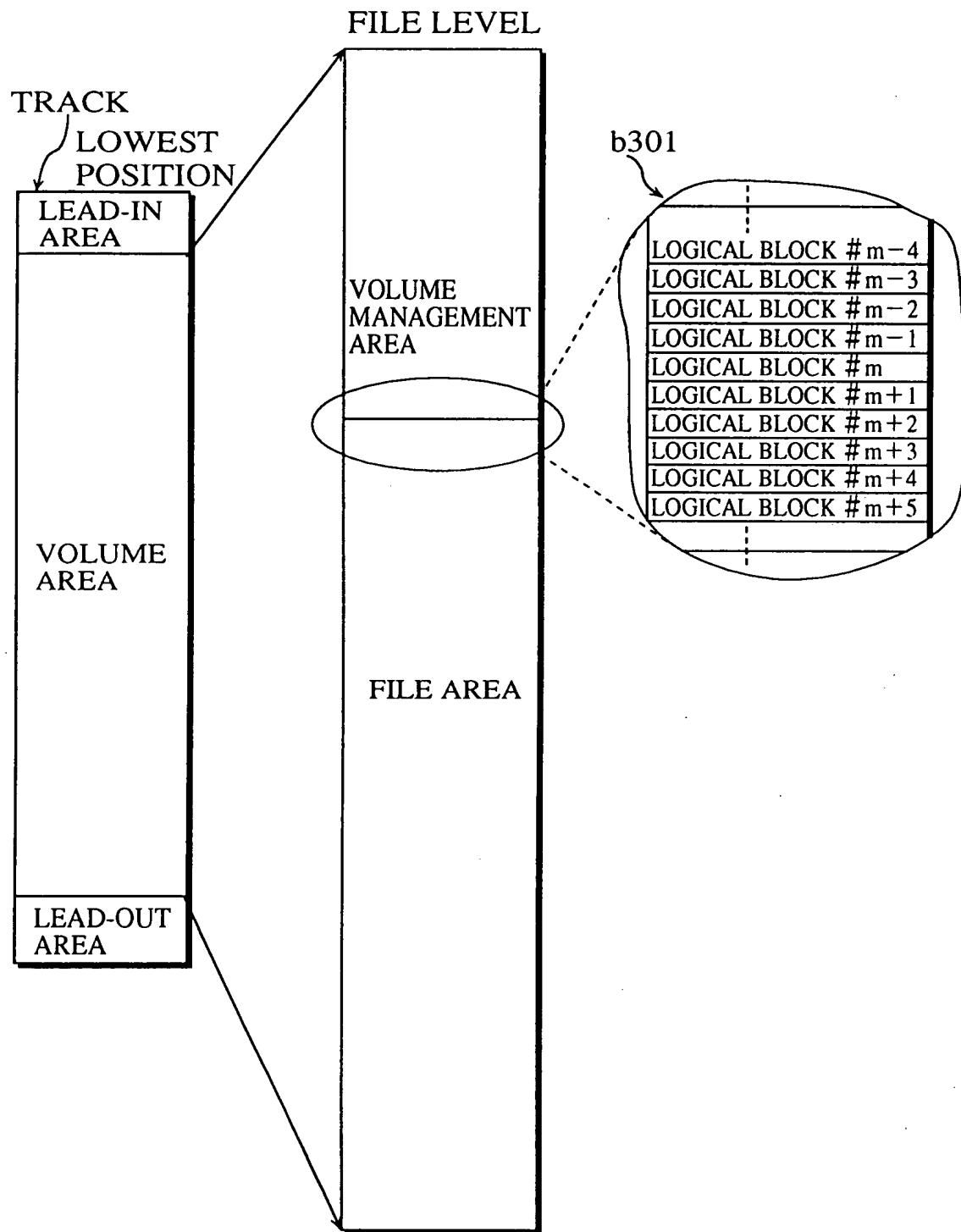
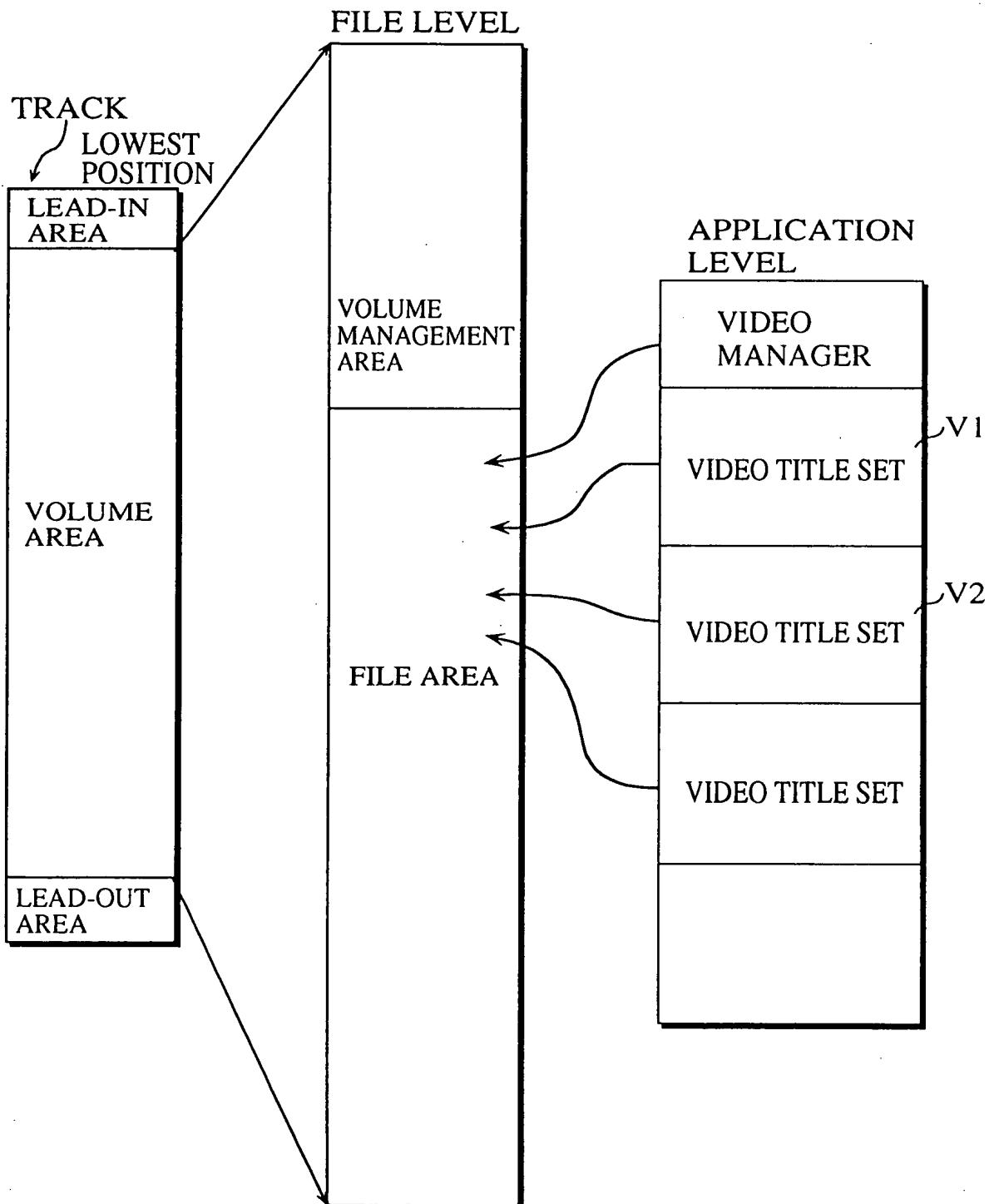


FIG. 4B



VIDEO TITLE SET V1

FIG. 5A

VIDEO TITLE SET MANAGEMENT INFORMATION

VOB # 1(10min.)	OPENING SCENE WITH SCROLLING CREDITS SHOWING DIRECTOR, PRODUCER, STUDIO NAME AND CAST	GROUP OF VIDEO MATERIALS
VOB # 2(50sec.)	SCENE WITH MAIN CHARACTER WALKING AROUND DOUTOMBORI AREA	
VOB # 3(8min.)	SCENE WHERE MAIN CHARACTER PASSES BY A SUSPICIOUS CHARACTER	
VOB # 4(48sec.)	SCENE SHOWING MEETING AT HEAD OFFICE OF TRADING COMPANY A	
VOB # 5(13min.)	SCENE SHOWING TOP SECRET PROJECT OF TRADING COMPANY A	
VOB # 6(45sec.)	SCENE SHOWING EMPLOYEE B CHUCKLING AFTER HEARING CONTENT OF THE TOP SECRET PROJECT	
VOB # 7(16min.)	SCENE AT THE FRONT GATE OF THE FACTORY OF CAR MANUFACTURER C	
VOB # 8(59sec.)	SCENE WHERE THE NEW CAR AT THE CENTER OF THE TOP SECRET PROJECT IS REVEALED IN ITS ENTIRETY	

FIG. 5B

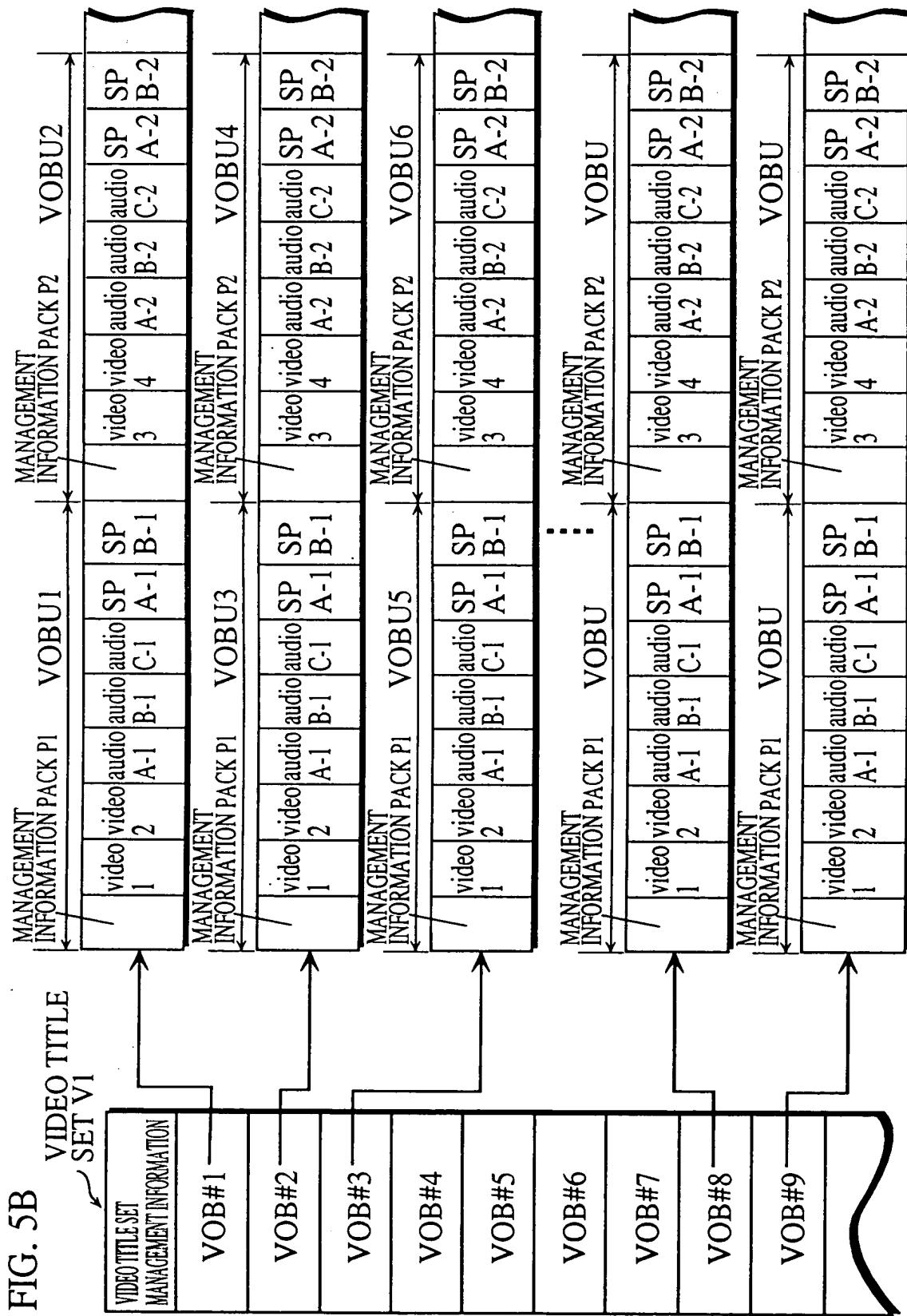


FIG. 6

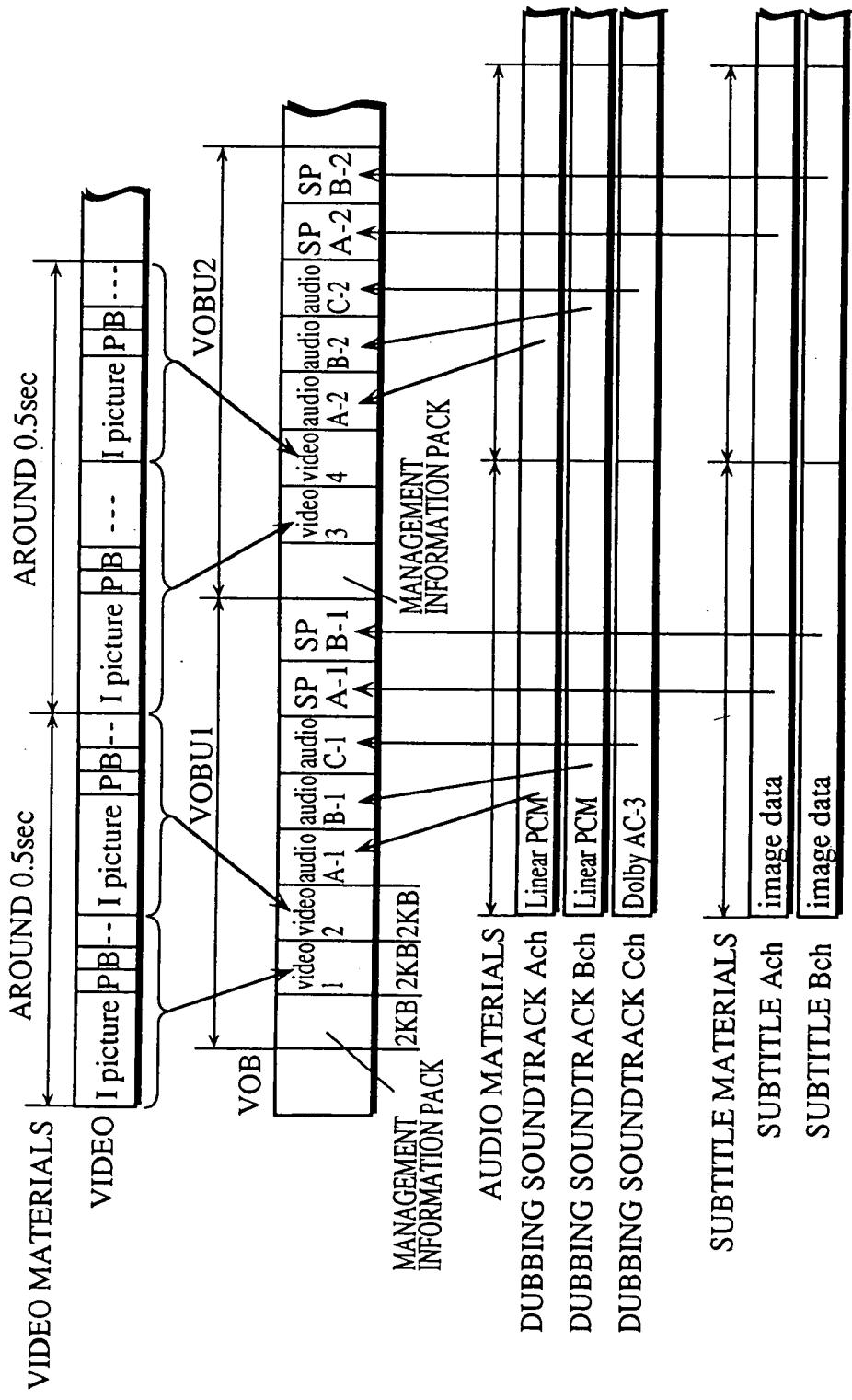


FIG. 7

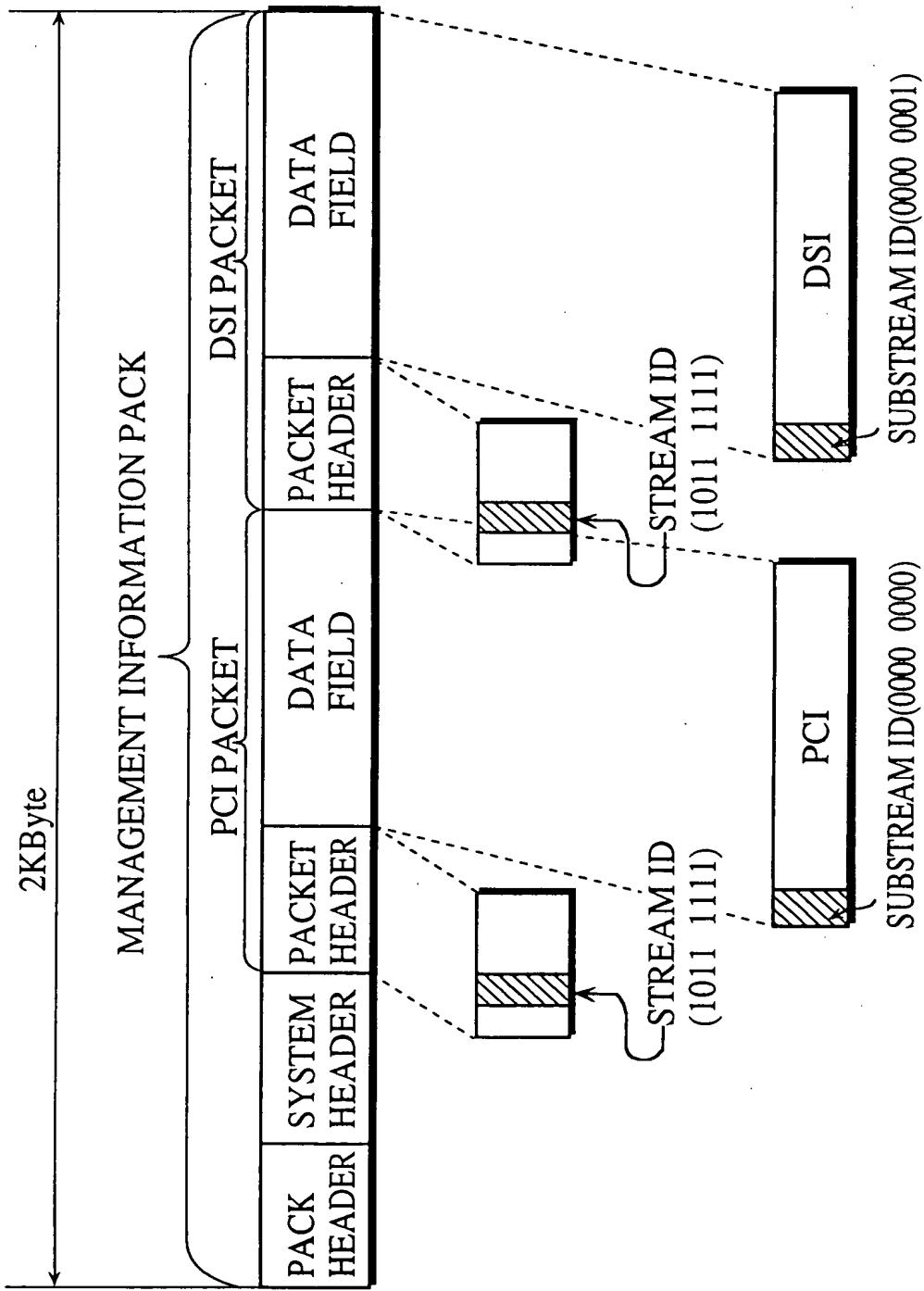


FIG. 8

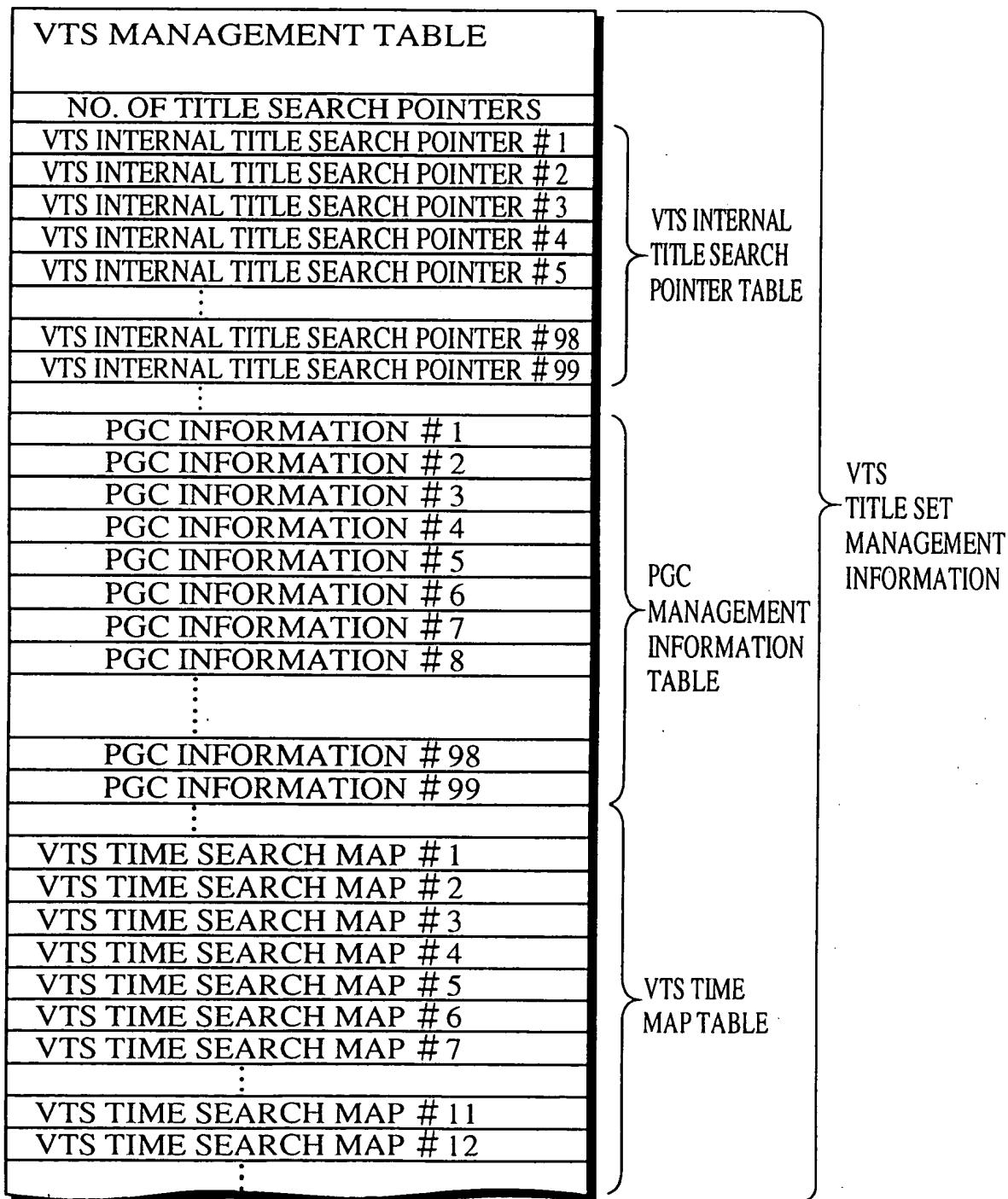


FIG. 9

VIDEO TITLE SET INTERNAL TITLE SEARCH POINTER TABLE

VTS INTERNAL TITLE SEARCH POINTER #1	VTS# 1.VTS INTERNAL TITLE #1 . . . Entry - PGC# 1
VTS INTERNAL TITLE SEARCH POINTER #2	VTS# 1.VTS INTERNAL TITLE #2 . . . Entry - PGC# 2
VTS INTERNAL TITLE SEARCH POINTER #3	VTS# 1.VTS INTERNAL TITLE #3 . . . Entry - PGC# 3
VTS INTERNAL TITLE SEARCH POINTER #4	VTS# 1.VTS INTERNAL TITLE #4 . . . Entry - PGC# 4
VTS INTERNAL TITLE SEARCH POINTER #5	VTS# 1.VTS INTERNAL TITLE #5 . . . Entry - PGC# 5
VTS INTERNAL TITLE SEARCH POINTER #6	VTS# 1.VTS INTERNAL TITLE #6 . . . Entry - PGC# 6

FIG. 10A

PGC INFORMATION # 1
PGC LINK INFORMATION NULL
PGC STANDARD INFORMATION NULL
PG MAP
PG1(VOB # 1) PG2(VOB # 3) PG3(VOB # 4) ←
VOB POSITION INFORMATION TABLE
VOB # 1(10min.) VOB # 2(50sec.) VOB # 3(8min.) VOB # 4(48sec.) . . .
VOB # 21(10min.) VOB # 22(50sec.) VOB # 23(8min.) VOB # 24(48sec.) . . .
VOB # 31(10min.) VOB # 32(50sec.) VOB # 33(8min.) VOB # 34(48sec.)
PGC COMMAND TABLE NULL
PGC INFORMATION # 2
PGC LINK INFORMATION PGC# 13
PGC STANDARD INFORMATION NULL
PG MAP NULL
VOB POSITION INFORMATION TABLE
VOB # 1(10min.) VOB # 2(5min.) VOB # 3(8min.)
PGC COMMAND TABLE NULL
PGC INFORMATION # 3
PGC LINK INFORMATION NULL
PGC STANDARD INFORMATION 5Loop Random
PG MAP NULL
VOB POSITION INFORMATION TABLE
VOB # 1(10min.) VOB # 62(5min.) VOB # 3(30sec.) VOB # 64(8min.) . . .
VOB # 5(18min.) VOB # 72(5min.) VOB # 4(30sec.) VOB # 74(8min.) . . .
PGC COMMAND TABLE NULL
PGC INFORMATION # 4
PGC LINK INFORMATION NULL
PGC STANDARD INFORMATION 3Loop
PG MAP NULL
VOB POSITION INFORMATION TABLE
VOB # 1(10min.) VOB # 51(5min.) VOB # 2(30sec.) VOB # 52(8min.) . . .
VOB # 5(18min.) VOB # 55(5min.) VOB # 6(30sec.) VOB # 56(8min.)
PGC COMMAND TABLE NULL
PGC INFORMATION # 5
PGC LINK INFORMATION NULL
PGC STANDARD INFORMATION NULL
PG MAP NULL
VOB POSITION INFORMATION TABLE
VOB # 6(10min.) VOB # 8(5min.) VOB # 16(8min.) VOB # 15(5min.) VOB # 16(8min.)
PGC COMMAND TABLE CmpRegLink R1,3, "=" ,PGC# 15
CmpRegLink R1,4, "=" ,PGC# 16
PGC INFORMATION # 6
PGC LINK INFORMATION NULL
PGC STANDARD INFORMATION NULL
PGC MAP NULL
VOB POSITION INFORMATION TABLE
VOB # 17(50sec.) VOB # 18(5min.) VOB # 19(8min.)
PGC COMMAND TABLE TitlePlay Title# 5

a10

FIG. 10B

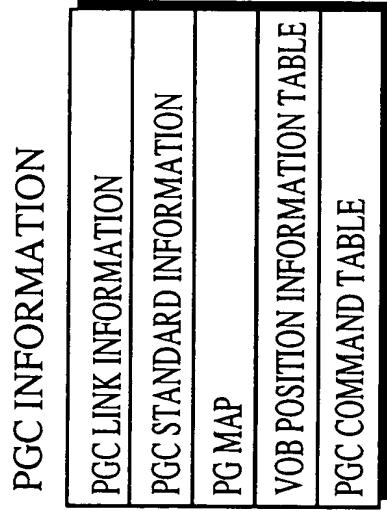


FIG. 10C

VOB POSITION INFORMATION TABLE	
REPRODUCTION TIME OF VOB# 1	OFFSET FOR VOB# 1
REPRODUCTION TIME OF VOB# 2	OFFSET FOR VOB# 2
REPRODUCTION TIME OF VOB# 3	OFFSET FOR VOB# 3
REPRODUCTION TIME OF VOB# 4	OFFSET FOR VOB# 4
REPRODUCTION TIME OF VOB# 5	OFFSET FOR VOB# 5
REPRODUCTION TIME OF VOB# 6	OFFSET FOR VOB# 6
REPRODUCTION TIME OF VOB# 7	OFFSET FOR VOB# 7
REPRODUCTION TIME OF VOB# 8	OFFSET FOR VOB# 8
	:

FIG. 11
(Video_Manager)

VM MANAGEMENT TABLE
VM INTERNAL TITLE SEARCH POINTER TABLE
NO. OF TITLE SEARCH POINTERS
VM INTERNAL TITLE SEARCH POINTER # 1
VM INTERNAL TITLE SEARCH POINTER # 2
VM INTERNAL TITLE SEARCH POINTER # 3
VM INTERNAL TITLE SEARCH POINTER # 4
VM INTERNAL TITLE SEARCH POINTER # 5
VM INTERNAL TITLE SEARCH POINTER # 6
VM INTERNAL TITLE SEARCH POINTER # 7
VM INTERNAL TITLE SEARCH POINTER # 8
:
VM INTERNAL TITLE SEARCH POINTER # 98
VM INTERNAL TITLE SEARCH POINTER # 99
PGC INFORMATION # 1_For_Menu
PGC LINK INFORMATION PGC# 1
PGC STANDARD INFORMATION NULL
PG MAP NULL
VOB POSITION INFORMATION TABLE VOB# 1_For_Menu
PGC COMMAND TABLE NULL
VOB# 1_For_Menu
MANAGEMENT INFORMATION PACK(PLURALITY OF TitlePlay)
SUB-PICTURE(CHARACTER STRINGS FOR TITLE NAMES)
MAIN IMAGE(BACKGROUND IMAGE)

FIG. 12

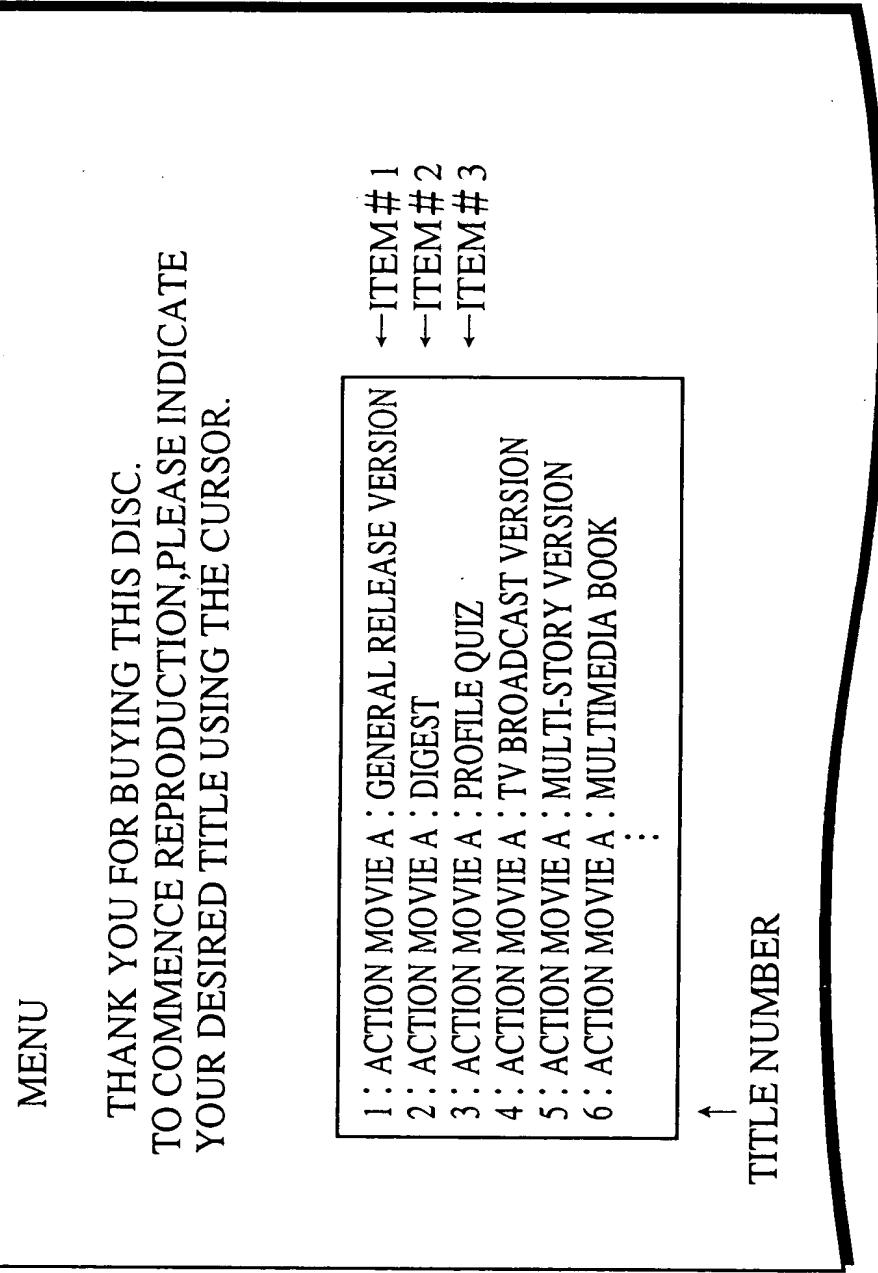


FIG. 13

MANAGEMENT INFORMATION PACK · HIGHLIGHT INFORMATION

ITEM INFORMATION # 1	PALETTE CONVERSION RANGE Title Play Title# 1
ITEM INFORMATION # 2	PALETTE CONVERSION RANGE Title Play Title# 2
ITEM INFORMATION # 3	PALETTE CONVERSION RANGE Title Play Title# 3
ITEM INFORMATION # 4	PALETTE CONVERSION RANGE Title Play Title# 4
ITEM INFORMATION # 5	PALETTE CONVERSION RANGE Title Play Title# 5
ITEM INFORMATION # 6	PALETTE CONVERSION RANGE Title Play Title# 6

2000-2001-2002-2003-2004

FIG. 14
VIDEO MANAGER INTERNAL TITLE SEARCH POINTER TABLE

	SEQUENTIAL SINGLE PGC IDENTIFICATION FLAG	NO BRANCH FLAG	NO BRANCH BETWEEN TITLES FLAG	TITLE SET NUMBER	VTS INTERNAL TITLE NUMBER
TITLE SEARCH POINTER #1	ON	ON	ON	TitleSet# 1	Title# 1
TITLE SEARCH POINTER #2	OFF	OFF	ON	TitleSet# 1	Title# 2
TITLE SEARCH POINTER #3	OFF	OFF	ON	TitleSet# 1	Title# 3
TITLE SEARCH POINTER #4	OFF	OFF	OFF	TitleSet# 1	Title# 4
TITLE SEARCH POINTER #5	OFF	OFF	ON	TitleSet# 1	Title# 5
TITLE SEARCH POINTER #6	OFF	OFF	OFF	TitleSet# 1	Title# 6
TITLE SEARCH POINTER #7	OFF	OFF	ON	TitleSet# 2	Title# 1
TITLE SEARCH POINTER #8	OFF	OFF	ON	TitleSet# 2	Title# 2
TITLE SEARCH POINTER #9	OFF	OFF	ON	TitleSet# 2	Title# 3

FIG. 15

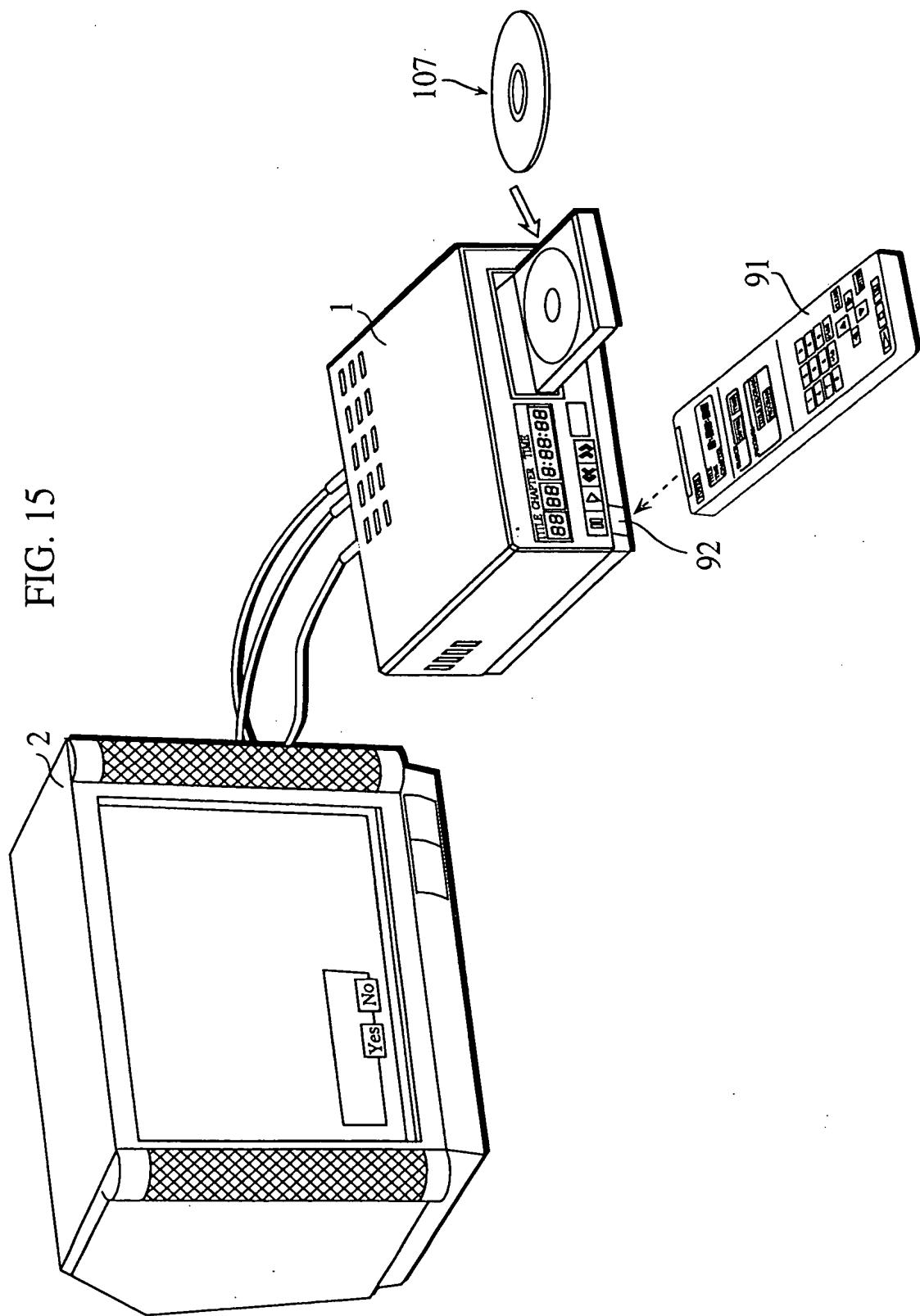


FIG. 16

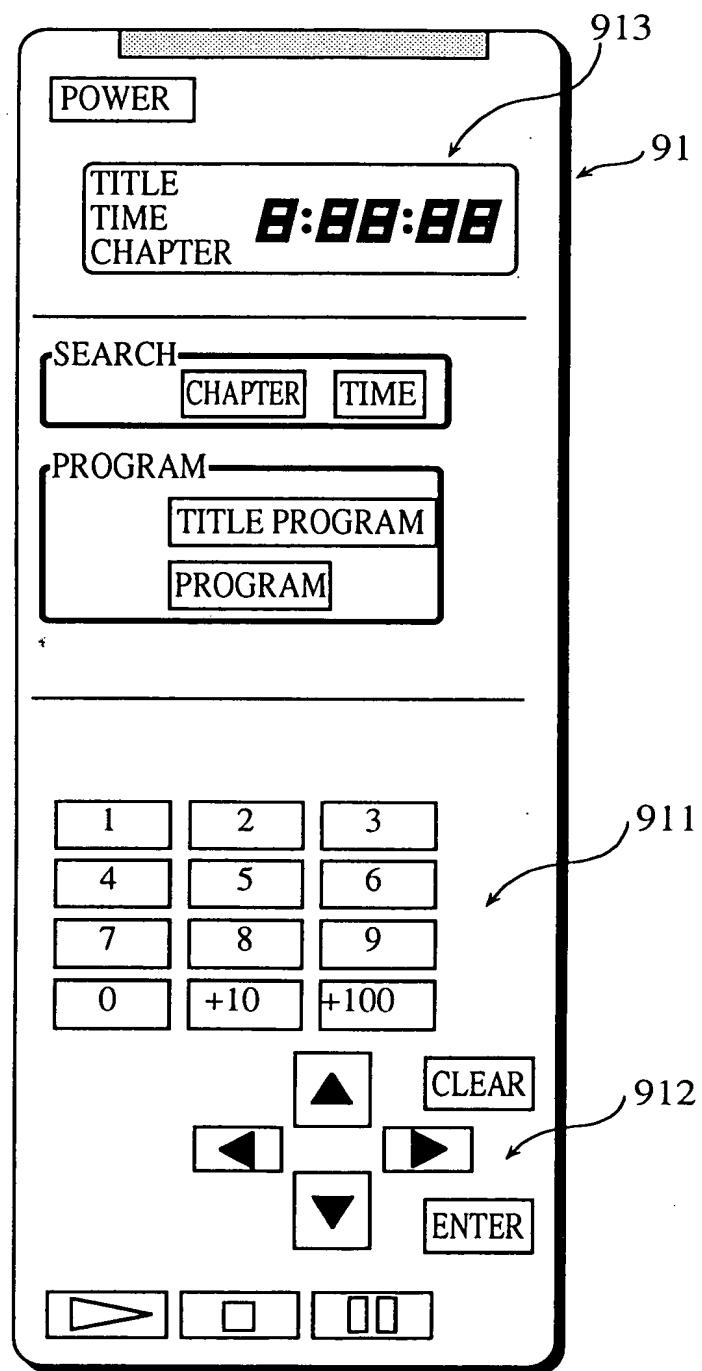


FIG. 17

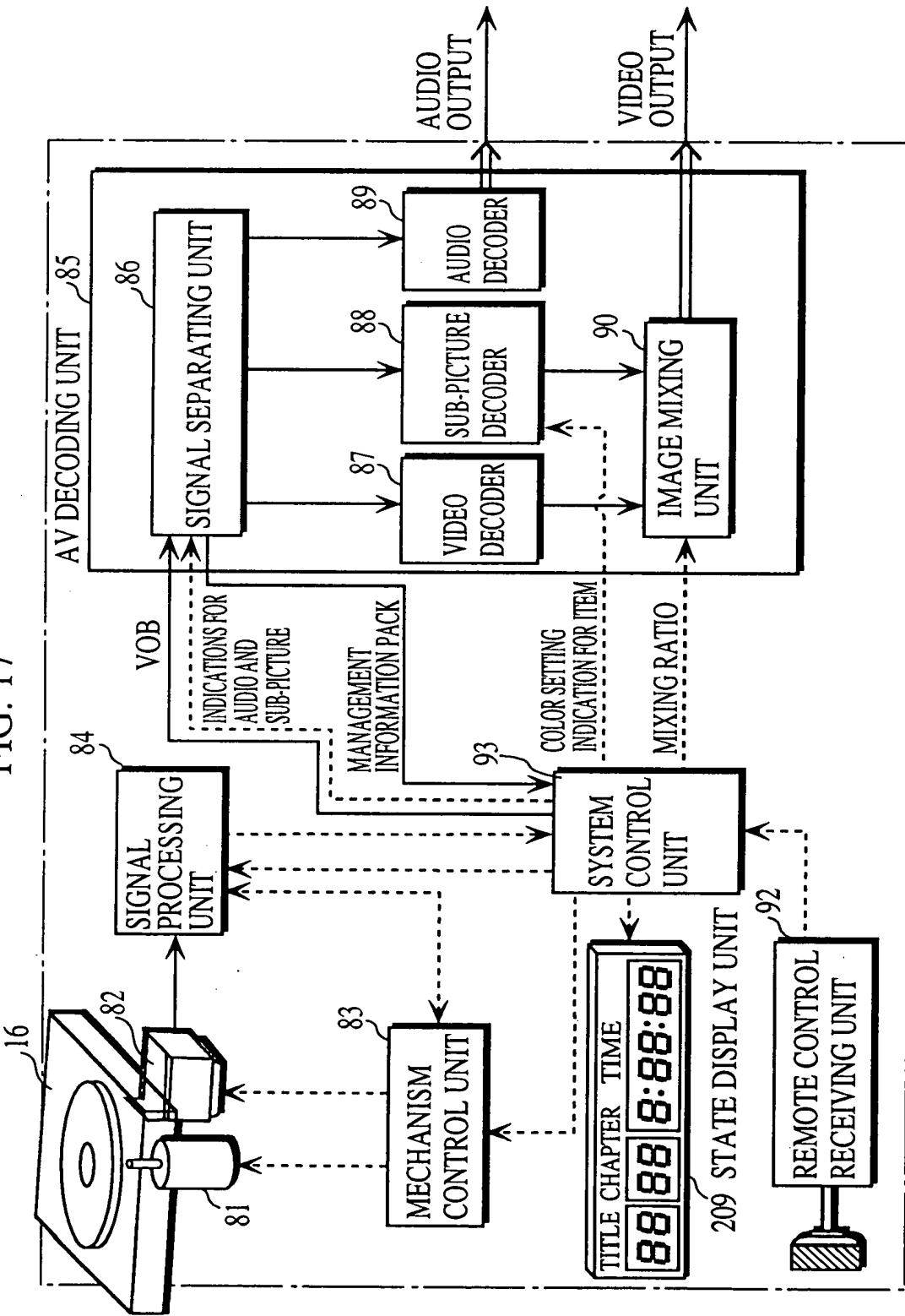


FIG. 18

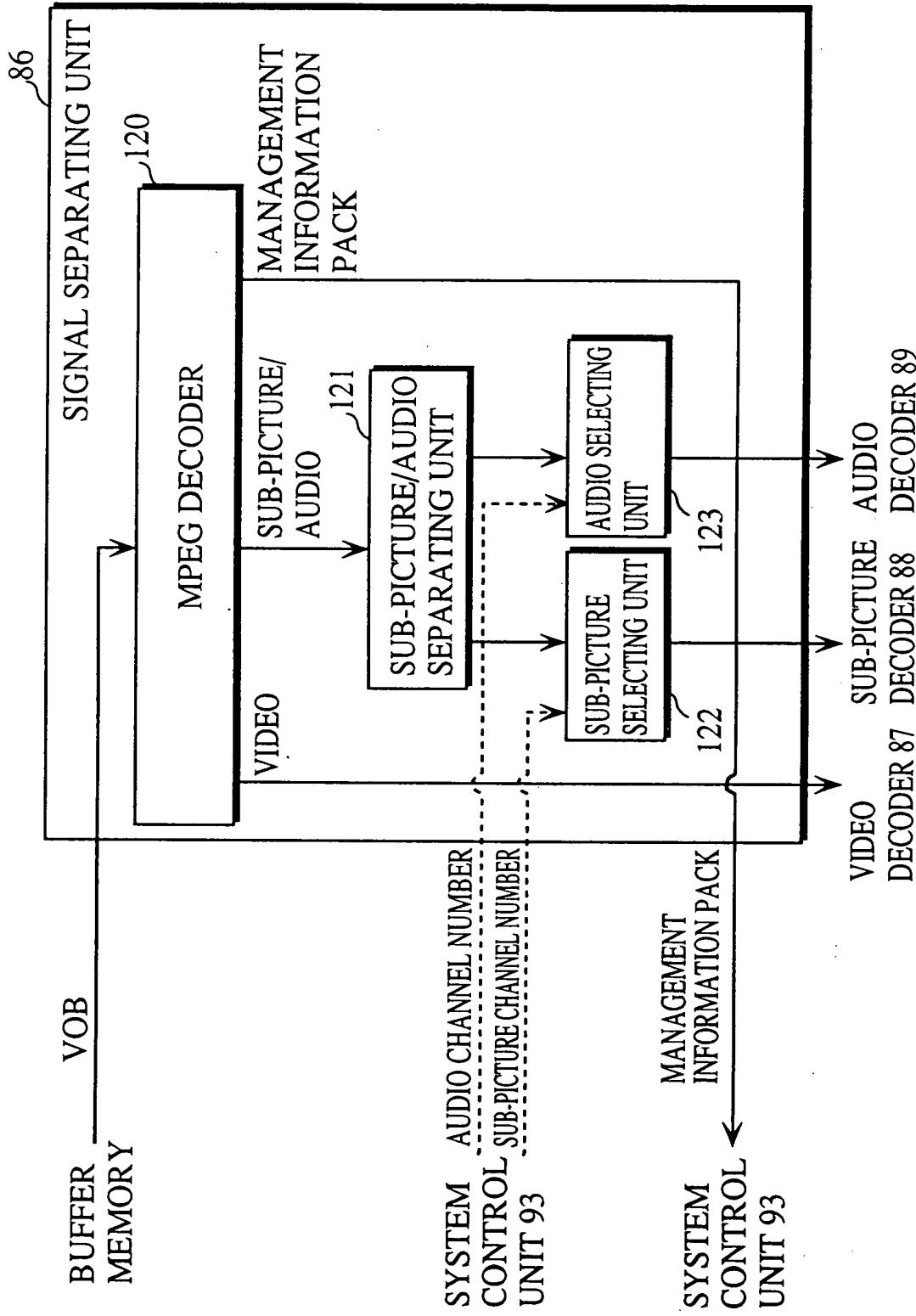


FIG. 19 CONTROL DATA(MANAGEMENT INFORMATION PACK)

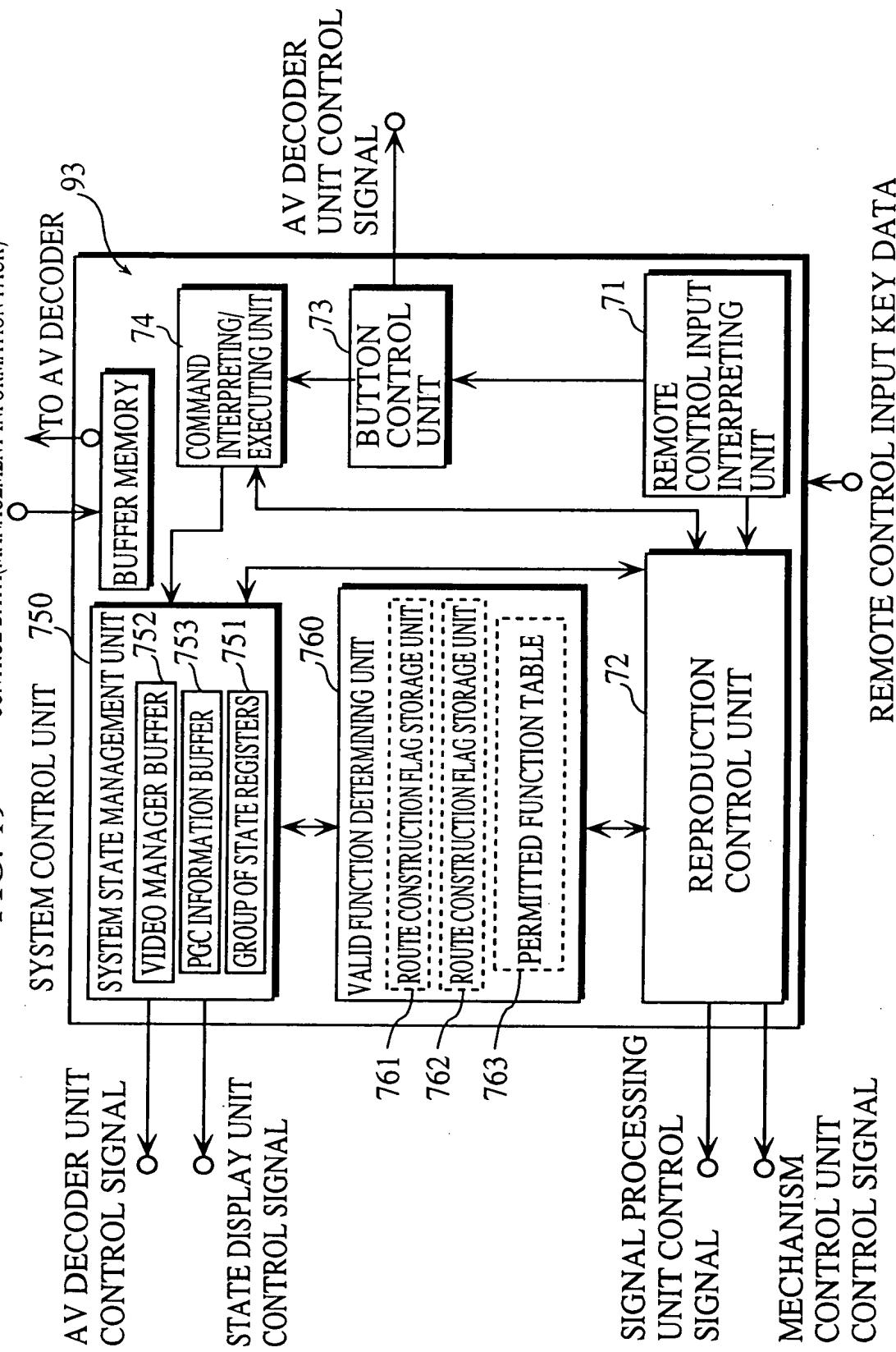


FIG. 20

FUNCTION	PERMISSION CONDITION		
	SEQUENTIAL SINGLE PGC FLAG	NO BRANCH FLAG	NO BRANCH BETWEEN TITLES FLAG
CHAPTER NUMBER DISPLAY	ON	ON	—
REPRODUCTION PROGRESSION TIME DISPLAY	ON	ON	—
CHAPTER NUMBER SEARCH	ON	ON	—
TIME SEARCH	ON	ON	—
CHAPTER PROGRAMMING FUNCTION	ON	ON	—
TITLE PROGRAMMING FUNCTION	ON	—	ON

FIG. 21A

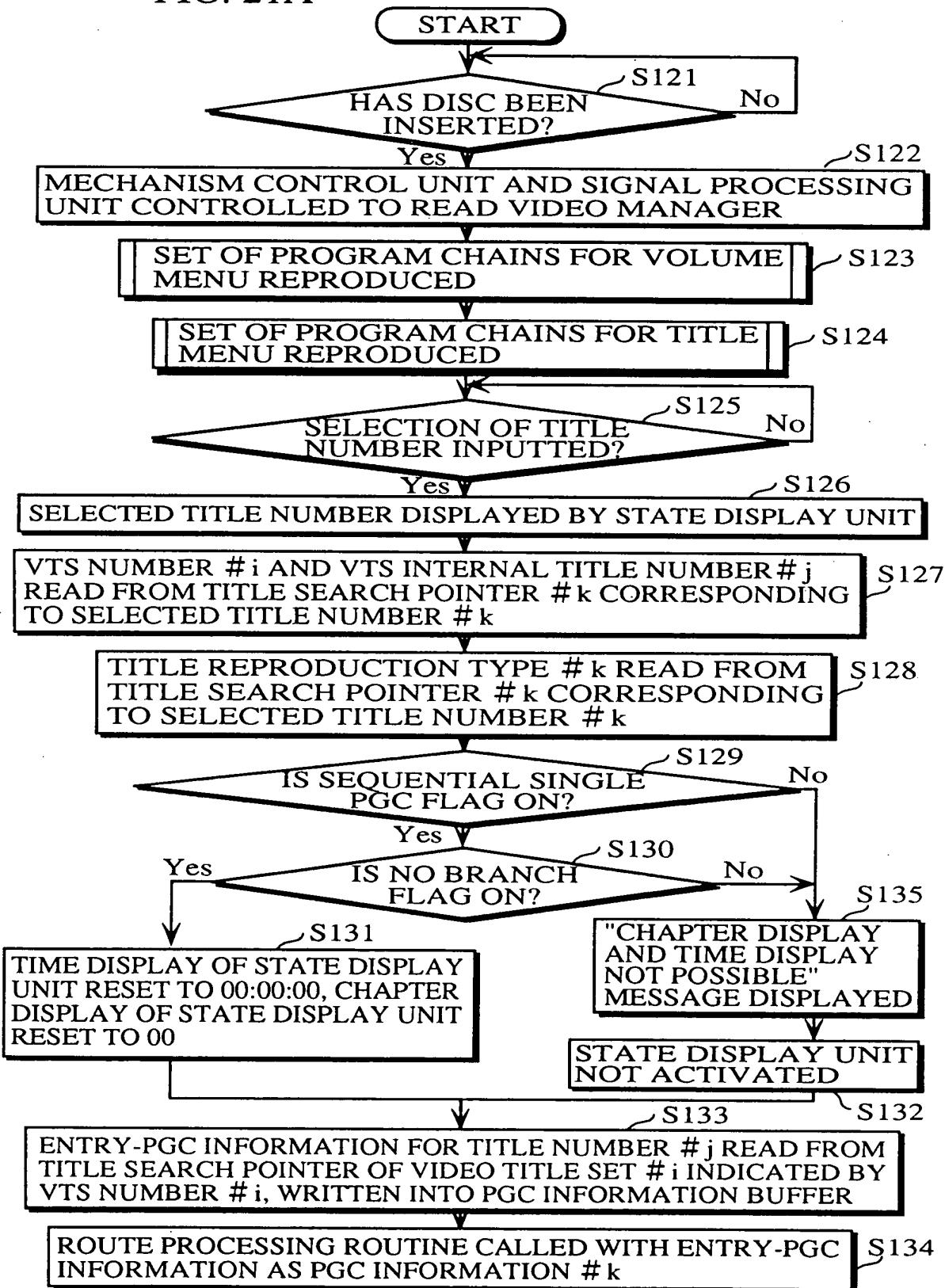


FIG. 21B

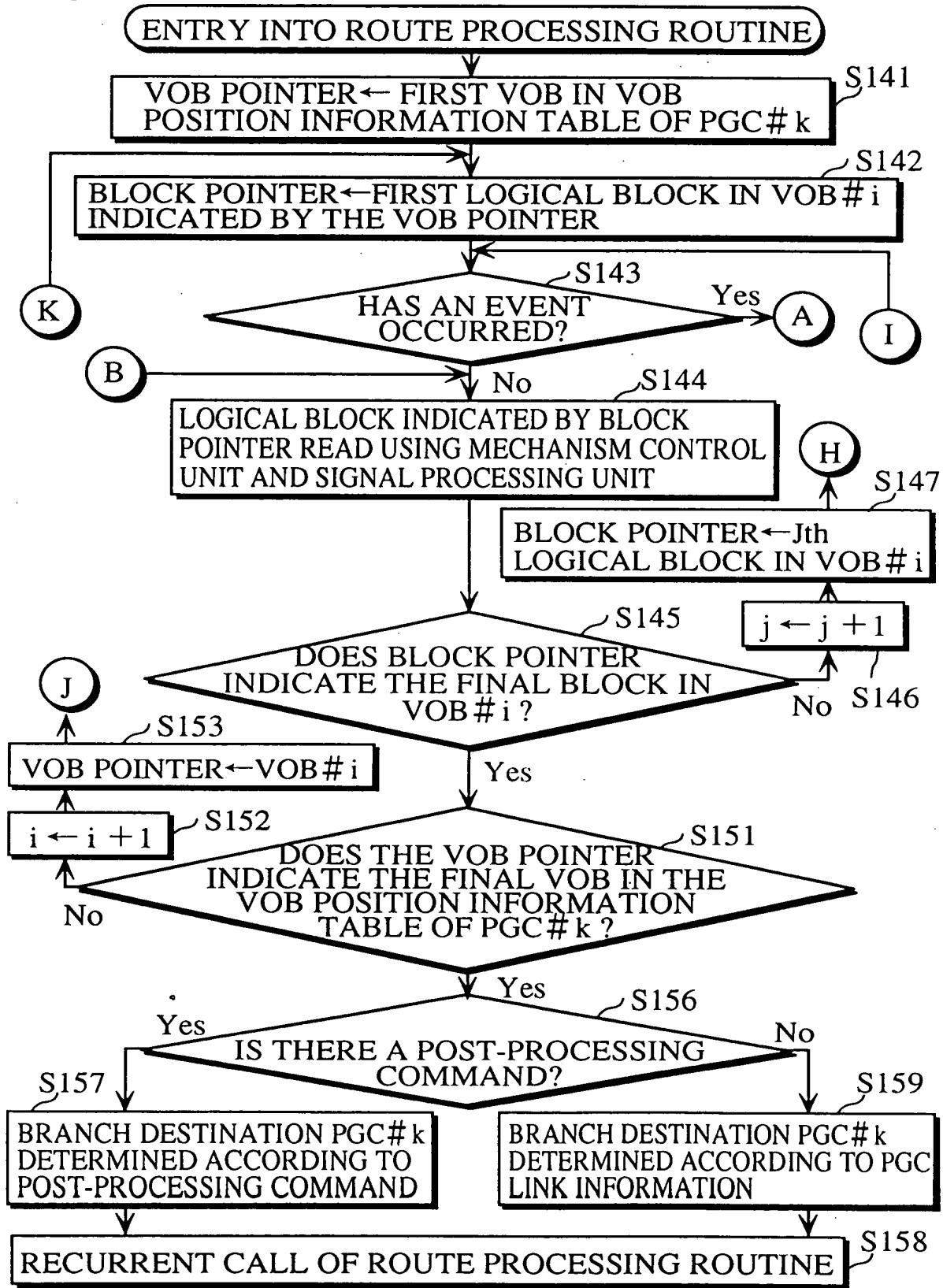


FIG. 21C

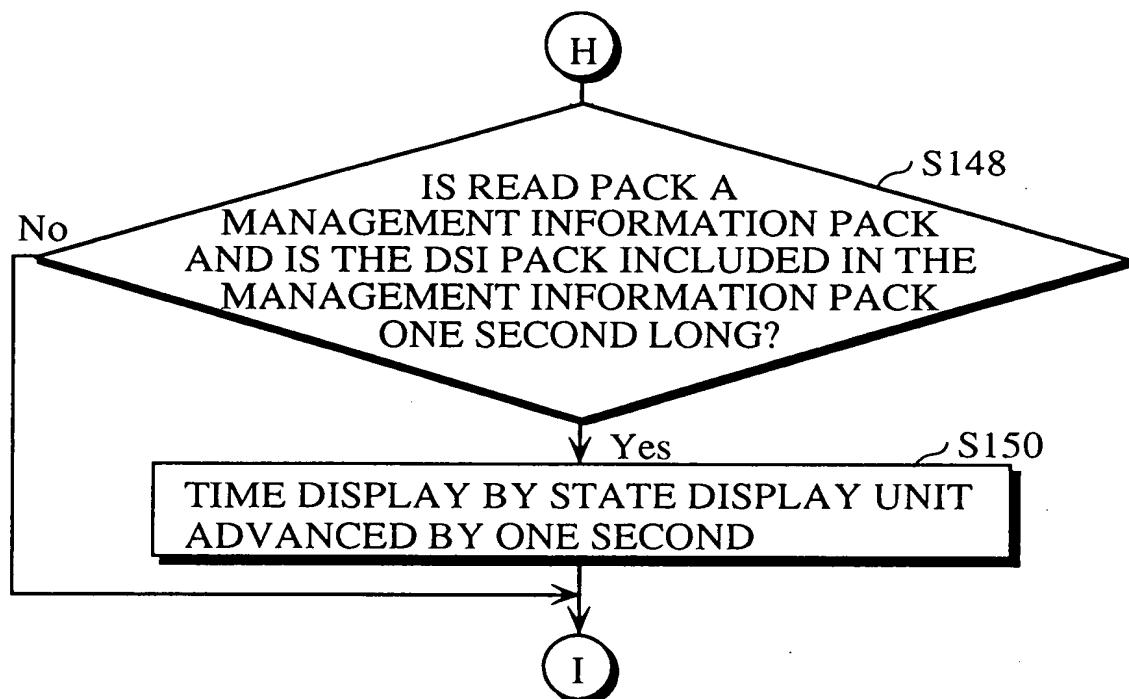


FIG. 21D

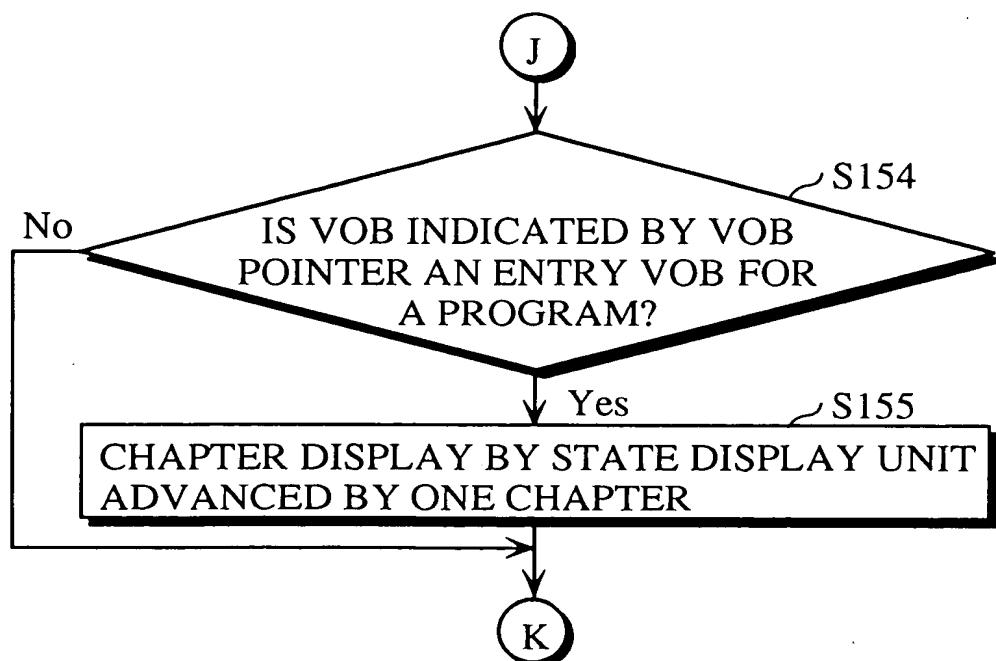


FIG. 22A

000280-272660

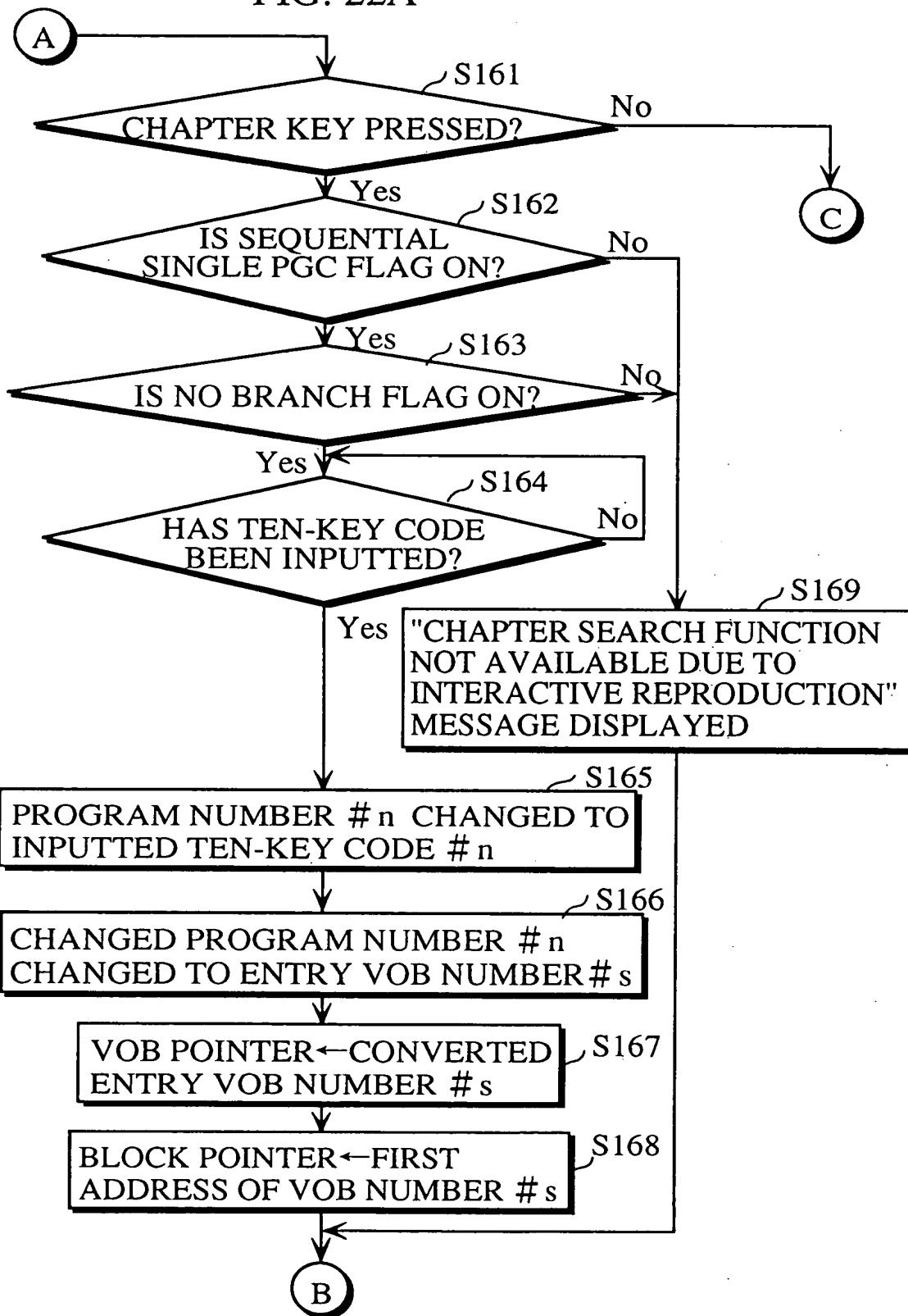


FIG. 22B

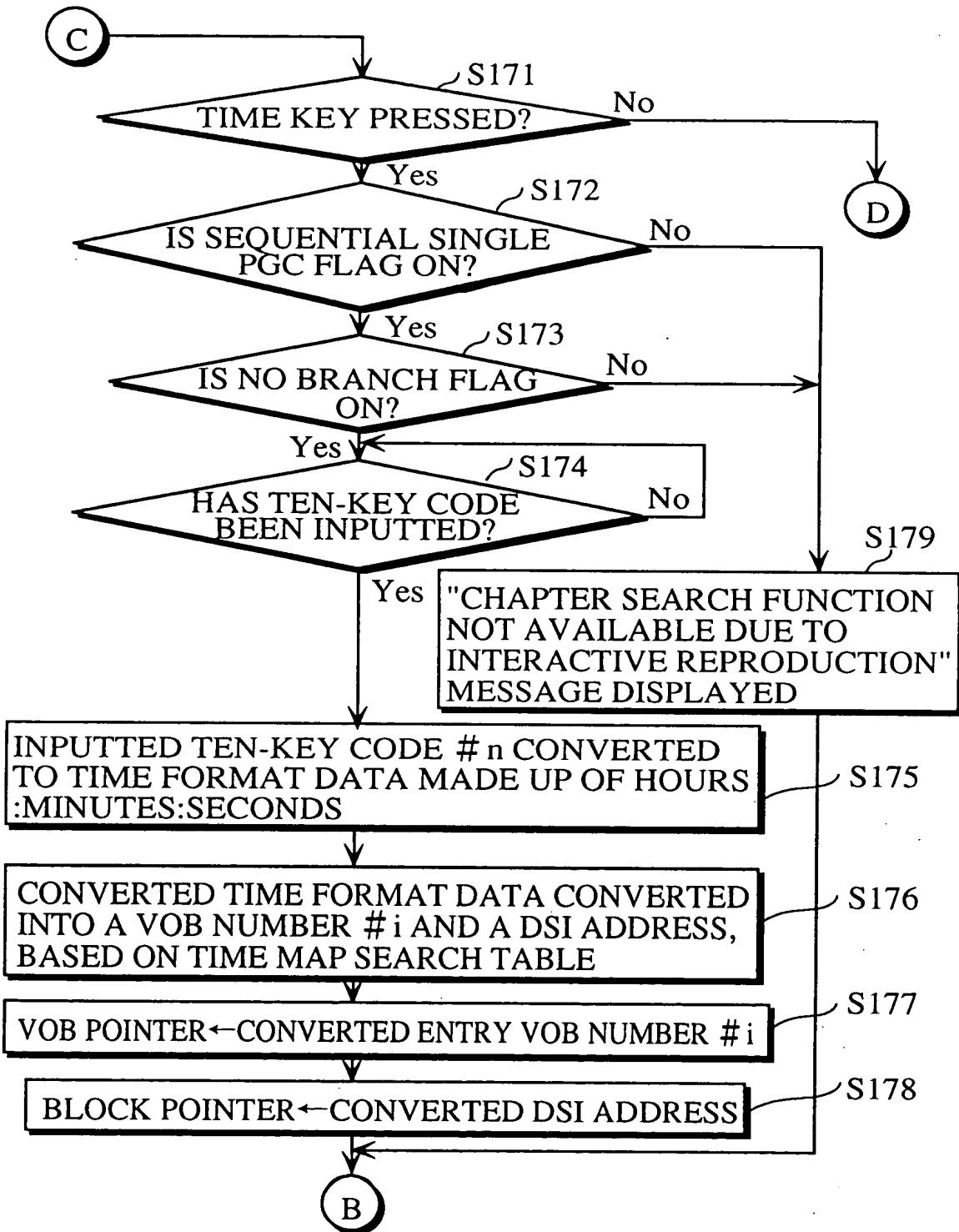


FIG. 22C

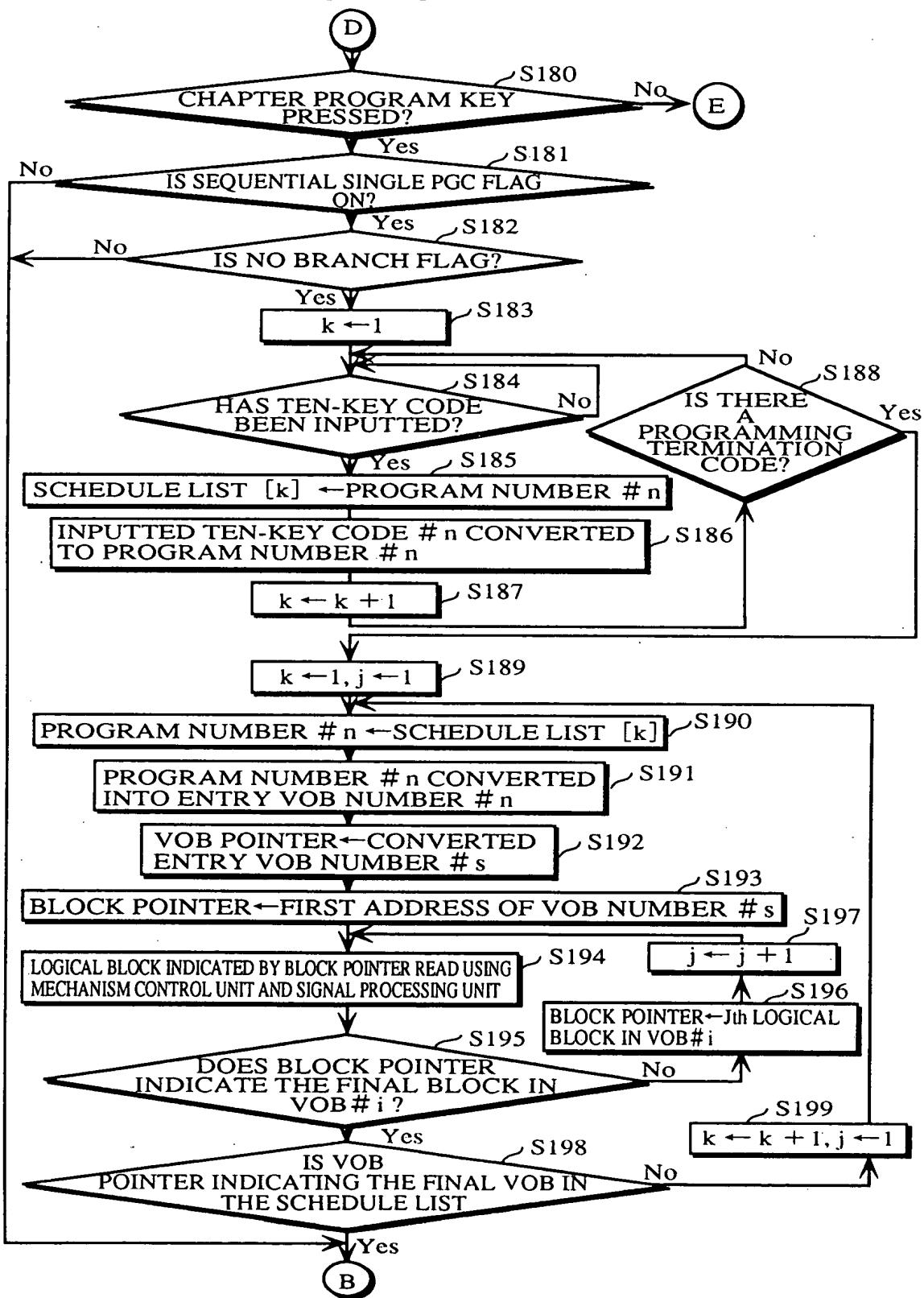


FIG. 22D

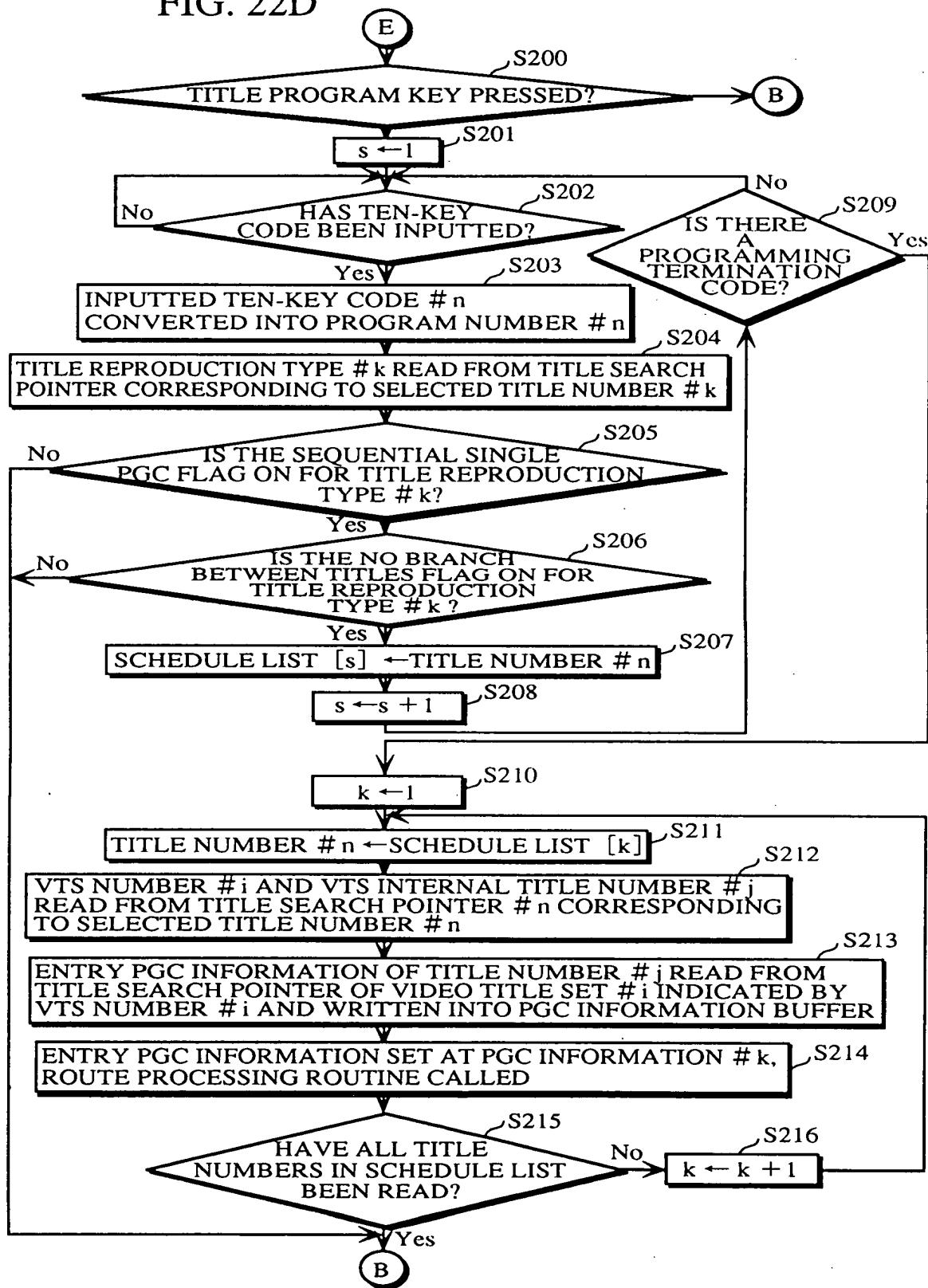


FIG. 23

FIRST FLAG	SECOND FLAG	THIRD FLAG	FOURTH FLAG
SINGLE ROUTE INFORMATION	NO LOOP INFORMATION	NO AUTOMATIC BRANCH	NO INTERACTIVE BRANCH
ON	OFF	OFF	OFF